



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
MODIFIED PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number	10/616,737
Filing Date	July 9, 2003
First Named Inventor	Enderwick et al.
Group Art Unit	2167
Examiner Name	ROBINSON, GL
Attorney Docket No.	56507

Sheet 1 of 2

**OTHER DOCUMENTS**

EXAMINER'S INITIALS	Cite No.	Include name of the author (in capital letters), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
cen	AA	S. KENT and R. ATKINSON, "Security Architecture for the Internet Protocol," RFC 2401, November 1998, 66 pages, Internet Engineering Task Force, www.ietf.org.
	AB	JON P. WADE and CHARLES G. SODINI, "A Ternary Content Addressable Search Engine," IEEE Journal of Solid-State Circuits, Vol. 24, No. 4, August 1989, pp. 1003-1013.
	AC	TEUVO KOHONEN, CONTENT-ADDRESSABLE MEMORIES, 1987, pp. 128-129 and 142-144, Springer-Verlag, New York.
	AD	BRIAN DIPERT, ed., "Special-purpose SRAMs Smooth the Ride," EDN, June 24, 1999, pp. 93-104.
	AE	"What is a CAM (Content-Addressable Memory)?," Application Brief AB-N6, Rev. 2a, Music Semiconductors, Milpitas, CA, September 30, 1998, 4 pages.
	AF	"Reading Out the Valid LANCAM Memory Entries," Application Brief AB-N4, Rev. 1a, Music Semiconductors, Milpitas, CA, September 30, 1998, 4 pages.
	AG	"Extending the LANCAM Comparand," Application Brief AB-N3, Rev. 1.0a Draft, Music Semiconductors, Milpitas, CA, September 30, 1998, 4 pages.
	AH	"Advantages of CAM in ASIC-Based Network Address Processing," Application Brief AB-N11, Rev. 1.2a Draft, Music Semiconductors, Milpitas, CA, September 30, 1998, 4 pages.
	AI	"Virtual Memory Applications of the MU9C1480A LANCAM," Application Note AN-N3, Rev. 1a, Music Semiconductors, Milpitas, CA, September 30, 1998, 12 pages.
	AJ	"Using the MU9C1965A LANCAM MP for Data Wider than 128 Bits," Application Note AN-N19, Rev. 1a, Music Semiconductors, Milpitas, CA, September 30, 1998, 16 pages.
✓	AK	"Fast IPv4 and IPv4 CIDR Address Translation and Filtering Using the MUAC Routing CoProcessor (RCP)," Application Note AN-N25, Rev. 0a, Music Semiconductors, Milpitas, CA, October 1, 1998, 16 pages.

Examiner Signature		Date Considered	9/20/05
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CR	BA	"Using MUSIC Devices and RCPs for IP Flow Recognition," Application Note AN-N27, Rev. 0, Music Semiconductors, Milpitas, CA, October 21, 1998, 20 pages.
	BB	"Wide Ternary Searches Using Music CAMs and RCPs," Application Note AN-N31, Rev. 0, Music Semiconductors, Milpitas, CA, April 13, 1999, 8 pages.
	BC	ANTHONY MCAULEY and PAUL FRANCIS, "Fast Routing Table Lookup Using CAMs," Networking: Foundation for the Future, Proceedings of the Annual Joint Conference of the Computer and Communications Societies, Los Alamitos, March 28, 1993, pages 1382-1391, Vol. 2, Conf 12.
	BD	TONG-BI PEI and CHARLES ZUKOWSKI, "VLSI Implementation of Routing Tables: Tries and CAMS," Networking in the Nineties, Proceedings of the Annual Joint Conference of the Computer and Communications Societies, New York, April 7, 1991, pages 515-524, Vol. 2, Conf. 10.

Examiner Signature		Date Considered	9/20/05
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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

## Title of Invention

**STORING AND SEARCHING A HIERARCHY OF ITEMS OF  
PARTICULAR USE WITH IP SECURITY POLICIES AND SECURITY  
ASSOCIATIONS**

Application Number : 10/616737



Confirmation Number: 2761

First Named Applicant: Thomas Enderwick

Attorney Docket Number: 56507

Art Unit: 2167

Examiner: Greta Lee Robinson

Search string: ( 3648254 or 4296475 or 4791606 or 4996666 or 5339076 or 5383146 or 5404482 or 5428565 or 5440715 or 5450351 or 5684954 or 5802567 or 5841874 or 5852569 or 5956336 or 5978885 or 6041389 or 6047369 or 6069573 or 6081440 or 6134135 or 6137707 or 6154384 or 6175513 or 6181698 or 6199140 or 6240003 or 6246601 or 6307855 or 6374326 or 6389506 or 6526474 or 6535951 or 6606681 or 6658002 or 6715029 or 6717946 or 6725326 or 6738862 or 6775737 or 6862281 or 6871262 or 6871265 or 6651096 or 6658458 or 6687144 or 20030231631 or 20040030803 or 20040030802 ).pn

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	3648254	1972-03-07	Beausoleil	365	49	
<input checked="" type="checkbox"/>	2	4296475	1981-10-20	Nederlof et al.	711	108	
<input checked="" type="checkbox"/>	3	4791606	1988-12-13	Threewitt et al.	365	49	
<input checked="" type="checkbox"/>	4	4996666	1991-02-26	Duluk, Jr.	365	49	
<input checked="" type="checkbox"/>	5	5339076	1994-08-16	Jiang	341	51	
<input checked="" type="checkbox"/>	6	5383146	1995-01-17	Threewitt	365	49	
<input checked="" type="checkbox"/>	7	5404482	1995-04-04	Stamm et al.	711	145	
<input checked="" type="checkbox"/>	8	5428565	1995-06-27	Shaw	365	49	
<input checked="" type="checkbox"/>	9	5440715	1995-08-08	Wyland	711	108	
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<input checked="" type="checkbox"/>	12	5802567	1998-09-01	Liu et al.	711	133	
<input checked="" type="checkbox"/>	13	5841874	1998-11-24	Kempke et al.	713	160	
<input checked="" type="checkbox"/>	14	5852569	1998-12-22	Srinivasan et al.	365	49	
<input checked="" type="checkbox"/>	15	5956336	1999-09-21	Loschke et al.	310	392	
<input checked="" type="checkbox"/>	16	5978885	1999-11-02	Clark, II	711	108	

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### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
Ch	1	20030231631	2003-12-18	Pullela	370	392	
Ch	2	20040030803	2004-02-12	Eatherton et al.	709	245	
Ch	3	20040030802	2004-02-12	Eatherton et al.	709	245	

Signature

Examiner Name	Date
<i>Chandra Pullela</i>	9/1/05